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Attorney Docket No. AUS920030588US1  
Serial No. 10/674,974  
Response to Office Action mailed 04/06/2007

## II. REMARKS

### A. SUMMARY OF THE OBJECTIONS AND REJECTIONS

#### 1. Claim Objections.

The Examiner objected to claim 29 because of informalities.

The Examiner objected to claims 3, 13, 20, 22, 29, and 32 because of informalities.

#### 2. Claim Rejections 35 USC § 112

The Examiner rejected claim 1 because the specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to use the invention commensurate in scope with the claims. Specifically, the Examiner objected to an indefinite "enablement for validating a plurality of data *in* (emphasis added) the database."

The Examiner rejected claims 10 and 29 because there was no antecedent basis for the "verified data" in the "adding" step.

#### 3. Claim Rejections 35 USC § 103

The Examiner rejected claims 1, 3-11, 13-20, 22-29, and 32-38 as being unpatentable over Ng et al. (US 6,609,133 B2, hereinafter, "Ng") in view of Srivastava et al. (US 2002/0120685 A1, hereinafter, "Srivastava").

### B. SUMMARY OF THE RESPONSE

Claims 1, 3, 10, 13, 20, 22, 29 and 32 were amended.

Claims 2, 12, 21, 30, and 31 were previously canceled.

Claims 1, 3-11, 13-20, 22,-29, and 32-38 remain pending.

### C. RESPONSES

#### 1. Claim Objections

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Applicant respectfully submits that the foregoing amendments fully respond to the Examiner's objections. Specifically the duplicate word "that" has been changed to read "the" each time it appears. The foregoing amendments also clarify the actions that occur when the database and the hashtable are or are not determined to be identical as suggested by the Examiner.

**2. Rejections under 35 USC §112.**

Claim 1 has been amended to move the reference "wherein the XML Schema contains a plurality of rules for validating a plurality of data in the database" to the step wherein the XML Schema for a database is created. The amendment harmonizes the creation of the XML Schema with the creation or application of the rules. Applicant respectfully submits that this amendment of claim 1 fully responds to the Examiner's objection under 35 USC §112. Conforming amendments were also made to Claims 20 and 29.

Claims 10 and 29 were amended to correct the insufficient antecedent basis for "the verified data" in the "adding step". The amendments to these claims changed the word "verified" to read "validated" to correct the antecedent basis.

**3. Responses under 35 USC §103(a).**

The examiner rejected claims 1, 3-11, 13-20, 22-29, and 32-38 as being unpatentable over Ng in view of Srivastava under 35 USC §103(a). Applicant respectfully traverses this rejection and submits that the amendments made above also meet the present obviousness rejections of the independent claims 1, 10, 20, and 29. Specifically, neither Ng or Srivastava, nor Ng and Srivastava together disclose automatically updating the XML Schema and its validation rules only when the database and a hashtable are not identical upon the occurrence of a query interval. The amendments also clarify that the query interval is reset and the steps are repeated

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without updating the XML Schema and its validation rules when the database and a hashtable do not change during the query interval.

Ng's invention does not perform the function claimed by Applicant. Rather Ng discloses a method that allows a programmer or database administrator to isolate changes and to incorporate the changes into an existing object model and to generate new source code. (4:36-45). Applicant's invention, on the other hand, updates an XML Schema, defined as "a computer file containing a plurality of rules for validating data" [0034], and does so only when data in a database is determined to not be identical to a hashtable at the conclusion of a query interval. Applicant does not require the intervention of an operator, nor does Applicant isolate changes in an object module. Applicant teaches an automated process for validating and updating a XML Schema by creating a *new* one to replace the previous XML Schema if there are *any* changes at the conclusion of a query interval. Applicant repeats the validation step without change if the XML Schema remains identical during the query interval.

Srivastava does not disclose changing the rules for validating data, but rather discloses a Service Definition and Service Descriptor that are XML documents. [0068, 0080] The Service Descriptor is defined as a "descriptor defining the behavior of a service, containing service provider information, description of service functionality, service management information, service input adaptor, service output adaptor, and other provider-specific sections, such as secure access, caching parameters, etc." The Service Definition is data stored in a database that "describes each of the resources provided by the service providers" and "is used to expose that resource to application programs as a standardized service." [0058] In Srivastava, these XML documents are used to convert databases into information services accessible to programs. [0018] Srivastava does not disclose use of XML Schemas to validate data in a database.

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In addition, in order to more clearly point out the distinction of Applicant's invention, each of the independent claims 1, 10, 20, and 29 have been amended to add clarity as set forth above and to place them in a condition for allowance. Each of the dependent claims contain all of the elements of the corresponding independent claim and are therefore also allowable.

**CONCLUSION**

Applicant respectfully submits that the presently pending claims 1, 3-11, 13-20, 22, 29, and 32-38 are now in a condition for allowance and requests that the application be passed to issue. The Examiner is invited to contact the undersigned at 214-231-4703 if he has any questions or concerns.

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Respectfully submitted,

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